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PTO/SB/82 (10-00)

Approved for use through 10/31/2002. OMB 0851-0035

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**REVOCATION OF POWER OF
ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/765,140
Filing Date	January 18, 2001
First Named Inventor	Takashi HASEGAWA
Group Art Unit	2832
Examiner Name	Unknown
Attorney Docket Number	36856.710

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A. Power of Attorney or Authorization of Agent is submitted herewith.

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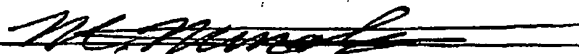
I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name

Mr. Michihiro Murata, Ph.d

Signature



Date

4/26/2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

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Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/01 (02-01)

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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/765,140
Filing Date	January 18, 2001
First Named Inventor	Takashi HASEGAWA
Title	Nonreciprocal...
Group Art Unit	2832
Examiner Name	Unknown
Attorney Docket Number	36856.710

I hereby appoint:

☐ Practitioners at Customer Number

OR

☒ Practitioner(s) named below:Place Customer
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Name	Registration Number
Joseph R. Keating	37,368
Christopher A. Bennett	46,710

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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Individual Name

KEATING & BENNETT, LLP

Address 10400 Eaton Place

Address Suite 312

City Fairfax

State

VA

Zip

22030

Country USA

Telephone (703) 385-5200

Fax

(703) 385-5080

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/08).

SIGNATURE of Applicant or Assignee of Record

Name Mr. Michihiro Murata, Ph.d

Signature 

Date

4/26/2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of _____ forms are submitted.

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PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0551-0031
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Takashi HASEGAWA
 Application No./Patent No.: 09/765,140 Filed/Issue Date: January 18, 2001
 Entitled: Nonreciprocal Circuit Device and Communication...
Murata Manufacturing Co., a Corporation
 (Name of Assignee) Ltd. (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
 2. ☐ an assignee of less than the entire right, title and interest.
 The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached. 011735 0312

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
 2. From: _____ To: _____
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[] Additional documents in the chain of title are listed on a supplemental sheet.

- [] Copies of assignments or other documents in the chain of title are attached.
 (NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

4/26/2002
 Date

Mr. Michihiro Murata, Ph.D
 Typed or printed name

[Signature]
 Signature

General Manager of Intellectual
Title Property

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

UNITED STATES OF AMERICA COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION			OFQS FILE NO. P/1071-1280																																																							
<p>As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named) of the subject matter which is claimed and for which a patent is sought on the invention entitled:</p> <p>NONRECIPROCAL CIRCUIT DEVICE AND COMMUNICATION DEVICE USING SAME</p> <p>the specification of which is attached hereto, unless the following box is checked:</p> <p><input checked="" type="checkbox"/> was filed on <u>January 18, 2001</u> as United States patent Application Number or PCT International patent application number <u>09/765,140</u> and was amended on _____ (if any).</p> <p>I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose all information known to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.</p> <p>I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or United States provisional application(s) listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:</p> <p>Prior Foreign or Provisional Application(s)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">COUNTRY</th> <th style="width: 25%;">APPLICATION NUMBER</th> <th style="width: 25%;">DATE OF FILING (day, month, year)</th> <th style="width: 25%;">PRIORITY CLAIMED UNDER 35 U.S.C. 119</th> </tr> </thead> <tbody> <tr> <td>Japan</td> <td>2000-009837</td> <td>19 January 2000</td> <td>YES <u>X</u> NO ____</td> </tr> <tr> <td></td> <td></td> <td></td> <td>YES ____ NO ____</td> </tr> <tr> <td></td> <td></td> <td></td> <td>YES ____ NO ____</td> </tr> </tbody> </table> <p>I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">UNITED STATES APPLICATION NUMBER</th> <th style="width: 33%;">DATE OF FILING (day, month, year)</th> <th style="width: 34%;">STATUS (patented, pending, abandoned)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>I hereby appoint customer no. 2352 OSTROLENK, FABER, GERB & SOFFEN, LLP, and the members of the firm, Samuel H. Weiner - Reg. No. 18,310; Jerome M. Berliner - Reg. No. 18,653; Robert C. Faber - Reg. No. 24,322; Edward A. Mellman - Reg. No. 24,735; Stanley H. Lieberstein - Reg. No. 22,400; Steven I. Weisburd - Reg. No. 27,409; Max Moskowitz - Reg. No. 30,576; Stephen A. Soffen - Reg. No. 31,063; James A. Jander - Reg. No. 30,173; William O. Gray, III - Reg. No. 30,944; Louis C. Dujmich - Reg. No. 30,625; Douglas A. Mirm - Reg. No. 31,641, and Michael J. Scherer - Reg. No. 34,425, as attorneys with full power of substitution and revocation to prosecute this application, to transact all business in the Patent & Trademark Office connected therewith and to receive all correspondence.</p> <p>SEND CORRESPONDENCE TO: OSTROLENK, FABER, GERB & SOFFEN, LLP DIRECT TELEPHONE CALLS TO: 1180 AVENUE OF THE AMERICAS (212) 382-0700 NEW YORK, NEW YORK 10036-8403 CUSTOMER NO. 2352</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">FULL NAME OF SOLE OR FIRST INVENTOR Takashi HASEGAWA</td> <td style="width: 30%;">INVENTOR'S SIGNATURE <i>Takashi Hasegawa</i></td> <td style="width: 30%;">DATE <u>4/10/2001</u></td> </tr> <tr> <td colspan="2">RESIDENCE (City and either State or Foreign Country) Kanazawa-shi, Ishikawa-ken, Japan</td> <td>COUNTRY OF CITIZENSHIP Japan</td> </tr> <tr> <td colspan="3">POST OFFICE ADDRESS c/o Murata Manufacturing Co., Ltd., Dept. A170, 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan</td> </tr> <tr> <td>FULL NAME OF SECOND JOINT INVENTOR (if any)</td> <td>INVENTOR'S SIGNATURE</td> <td>DATE</td> </tr> <tr> <td colspan="2">RESIDENCE (City and either State or Foreign Country)</td> <td>COUNTRY OF CITIZENSHIP</td> </tr> <tr> <td colspan="3">POST OFFICE ADDRESS</td> </tr> <tr> <td>FULL NAME OF THIRD JOINT INVENTOR (if any)</td> <td>INVENTOR'S SIGNATURE</td> <td>DATE</td> </tr> <tr> <td colspan="2">RESIDENCE (City and either State or Foreign Country)</td> <td>COUNTRY OF CITIZENSHIP</td> </tr> <tr> <td colspan="3">POST OFFICE ADDRESS</td> </tr> </table>				COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119	Japan	2000-009837	19 January 2000	YES <u>X</u> NO ____				YES ____ NO ____				YES ____ NO ____	UNITED STATES APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)										FULL NAME OF SOLE OR FIRST INVENTOR Takashi HASEGAWA	INVENTOR'S SIGNATURE <i>Takashi Hasegawa</i>	DATE <u>4/10/2001</u>	RESIDENCE (City and either State or Foreign Country) Kanazawa-shi, Ishikawa-ken, Japan		COUNTRY OF CITIZENSHIP Japan	POST OFFICE ADDRESS c/o Murata Manufacturing Co., Ltd., Dept. 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